

**NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE §1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Customer No. 004372  
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Docket No. 107156-00227  
Date: February 12, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): OPTICAL PICKUP ASTIGMATISM MEASURING METHOD, OPTICAL  
PICKUP ASTIGMATISM ADJUSTING METHOD, AND OPTICAL PICKUP  
ASTIGMATISM MEASURING SYSTEM

By (Inventors): Hitoshi TAKIGUCHI, Hidekazu OUCHI, Yasushi KUMAMARU, Naoki  
YAMADA, Tetsuya MURAKAMI, Yoshinari KUWABARA, Ko ISHII; Saitama-  
ken, Japan

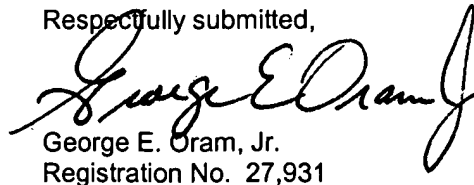
- ☒ 26 pages of Specification/Claims 1-5/Abstract are attached.
- ☒ Formal drawings (Fig(s). 1-14B; 13 sheets are attached.
- ☒ A Declaration and Power of Attorney is attached.
- ☒ An assignment of the invention to Pioneer Corporation is attached, along with Form PTO-1595 and a check for \$40.00.
- ☒ An Information Disclosure Statement is attached, along with Form PTO-1449, and 1 reference(s).
- ☒ Priority of foreign application No. 2003-039652 filed February 18, 2003 in Japan is claimed under 35 U.S.C. §119.
- ☒ A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

			SMALL ENTITY		OR	LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE		RATE	FEE
BASIC FEE				\$ 375	OR		\$ 770
TOTAL CLAIMS	5 - 20	= 0	x 9 =	\$	OR	x 18	\$
INDEP CLAIMS	3 - 3	= 0	x 43 =	\$	OR	x 86	\$
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+145 =	\$	OR	+290	\$
			TOTAL	\$	OR	TOTAL	\$ 770

- ☒ A check in the amount of \$810.00 (\$770 for the filing fee and \$40 for the Assignment Recordation Fee) is attached. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300.

Respectfully submitted,

  
George E. Oram, Jr.  
Registration No. 27,931

GEO/bgk

15915 U.S. PTO  
021204

17531 U.S. PTO  
10/776194  
021204